

## NEW SPECIES OF LAND-SHELLS FROM NEW GUINEA.

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*Read 8th November, 1901, and 10th January, 1902.*1. *MACROCHLAMYS PAPUENSIS*, n.sp. Fig. I.

Shell zonitiform, hyaline, pale horn colour, slightly pinkish towards the mouth; whorls five, somewhat rounded, elaborately sculptured with growth-striae, and with close-set, very fine, and slightly waved spiral lines; suture impressed, closely but strongly malleated; mouth oblique; peristome simple, forming a slight fold nearly encircling the umbilicus; the latter is fairly deep and very narrow. Alt. 14 mm.; diam. maj. 23, min. 19 mm.

*Hab.*—Northern coast of British New Guinea.

The type is in the British Museum.

This species is of a very beautiful form; and its sculpture readily separates it from the few species hitherto known from the Papuan region.

2. *CHLORITIS (SULCOBASIS) GLOBOSA*, n.sp. Fig. IV.

Shell globose; spire rather elevated; colour dark rufous; whorls five, rounded, coarsely striated with lines of growth; mouth oblique, roundly ovate, contracted above; peristome reflected, white tinged with lilac; umbilicus very deep, partly concealed by the reflexed lip. Alt. 24 mm.; diam. maj. 30, min. 25 mm. Mouth (inside measurement), diam. 14, alt. 13 mm.

*Hab.*—Northern coast of British New Guinea.

The type is in the British Museum.

The nearest ally of this shell appears to be *Chloritis stirophora* (Smith), from which it differs in the following particulars: its more elevated and rounded form, the traces of keel being much less apparent and the whorls more convex; its darker colour, more rounded and more oblique mouth, and in the much greater extension of the columella over the umbilicus.

3. *CHLORITIS (SULCOBASIS) STIROPHORA* (Smith),  
var. *COLLINGWOODENSIS*, n.var. Fig. V.

This variety, of which I have nine specimens before me, differs from the type mainly in its small size; but it is also more depressed and less openly umbilicated. Alt. 14 mm.; diam. maj. 25, min. 21 mm.

*Hab.*—Collingwood Bay, B.N.G.

The type is in the British Museum.

4. *Chloritis* (*Austrochloritis*) *Maforinsulæ*, n.sp. Fig. III.

Shell globose, spire rather depressed, whorls five, suture shallow; aperture rounded and somewhat oblique, having a slight callosity, more noticeable in the columellar region. Peristome expanded and slightly reflexed; umbilicus very narrow, almost concealed by reflexion of lip; shell striated with growth-lines and minutely pitted on earlier whorls. Colour red-brown, marbled with grey; interior of aperture a striking reddish brown. Alt. 11 mm.; diam. maj. 14, min. 11.5 mm.; aperture, diam. 5, alt. 5.50 mm.

*Hab.*—Mafor Island, coast of Dutch New Guinea.

The type is in the British Museum.

The nearest ally of this shell appears to be *Chloritis argillacea* (Fér.), the chief differences being that the former is more compact and more regularly globose, the suture slightly more shallow, the lip less reflected, the umbilicus more closed, the growth-lines coarser, the pitting more minute; and the striking coloration of the interior of the mouth, which is unusual in *Chloritis*.

The marbled appearance is rather similar to that met with in *Papuina ambrosia* (Ang.), but whether this is normal or not, from the material to hand it is impossible to say.<sup>1</sup>

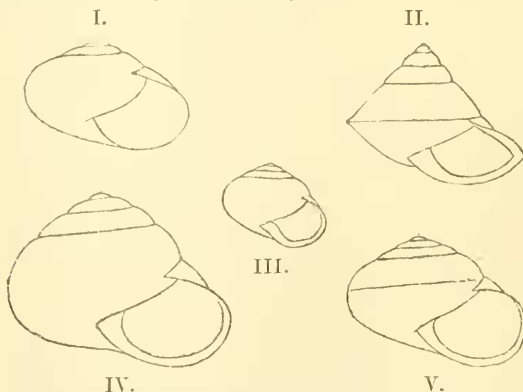


FIG. I. *Macrochlamys Papuensis*, n.sp.  
 ,, II. *Papuina trochiformis*, n.sp.  
 ,, III. *Chloritis Maforinsulæ*, n.sp.  
 ,, IV. *Chloritis globosa*, n.sp.  
 ,, V. *Chloritis strophora*, Smith, var. *Collingwoodensis*, n.var.

5. *PAPUINA TROCHIFORMIS*, n.sp. Fig. II.

Shell conical; spire acute; whorls 5-6, last sharply keeled, upper whorls having a much greater convexity in proportion than the last

<sup>1</sup> Since writing the above diagnosis I have ascertained that the specimens which I have examined were originally preserved in alcohol, and this may account for their marbled appearance.

two. Suture shallow; aperture oblique, having a distinct callosity, presenting a somewhat heliciform appearance, Peristome expanded and reflexed; columella stout, with a protuberance at base; umbilicus very narrow, partly concealed by reflexion of lip. Shell striated with somewhat coarse growth-lines, otherwise destitute of sculpture. Colour pale whitish yellow, deepening on earlier whorls. Alt. 19 mm.; diam. maj. 23, min. 19 mm.; aperture diam. 9, alt. 9 mm.

*Hab.*—Mafor Island, coast of Dutch New Guinea.

The type is in the British Museum.

The nearest ally of this shell is *Papuina grata* (Mich.), from which, however, it differs chiefly in the following respects: the spire is more acute, the protuberance on the columella is less developed, the umbilicus much more closed, and the lip is not so much expanded; moreover, there is no spiral sculpture on the base of the shell.

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